

744
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Q.

Mechanical Drawing Scale

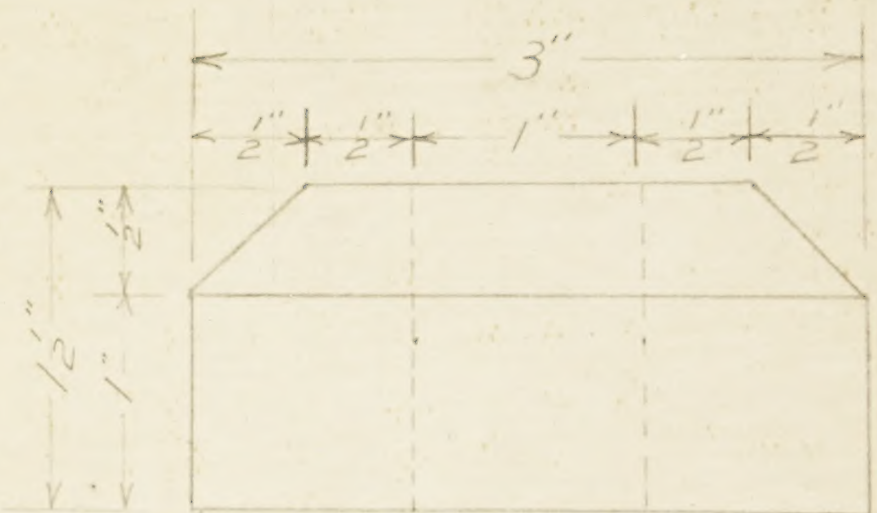
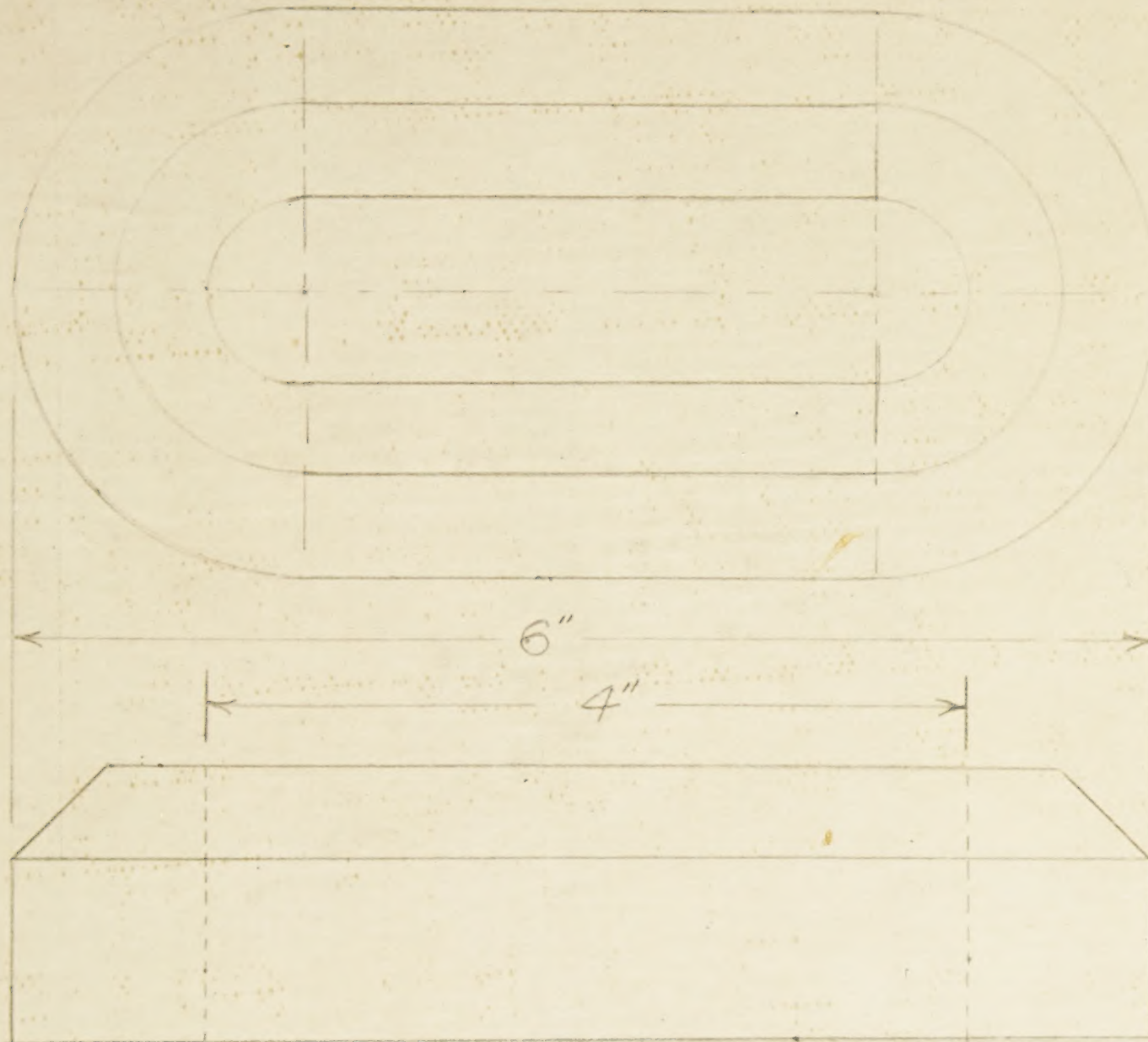
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No. 6

SEVENTH GRADE . . 80--84
EIGHTH GRADE . . . 75--79
NINTH GRADE 70--74

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SLOTTED WASHER

664704

Mechanical Drawing Scale

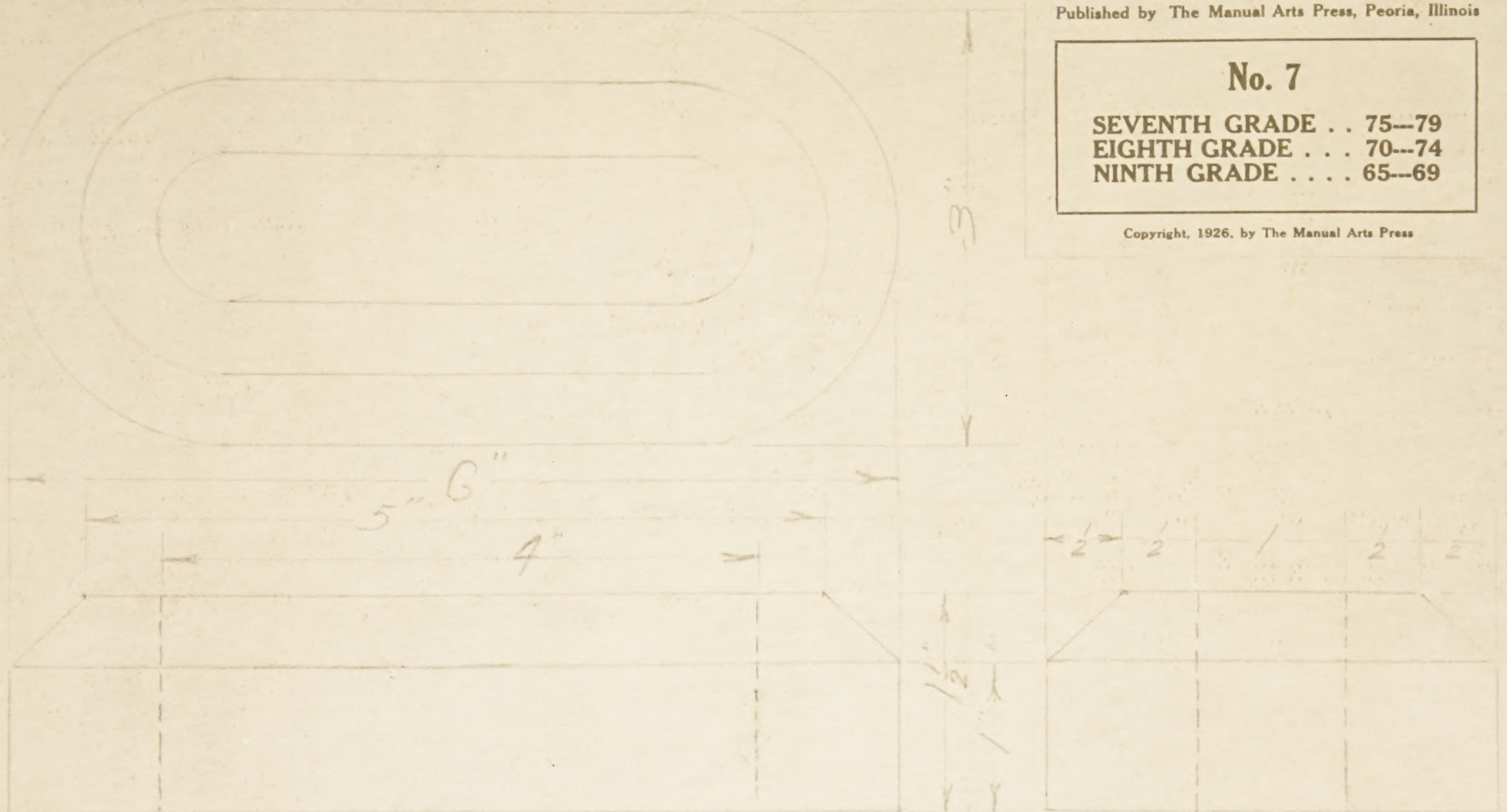
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Mechanical Drawing Scale

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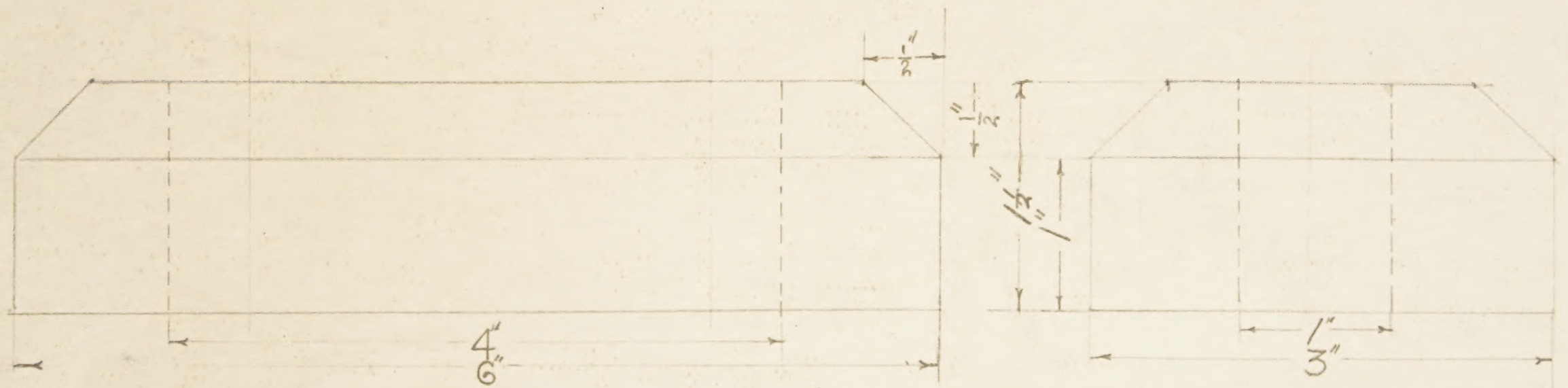
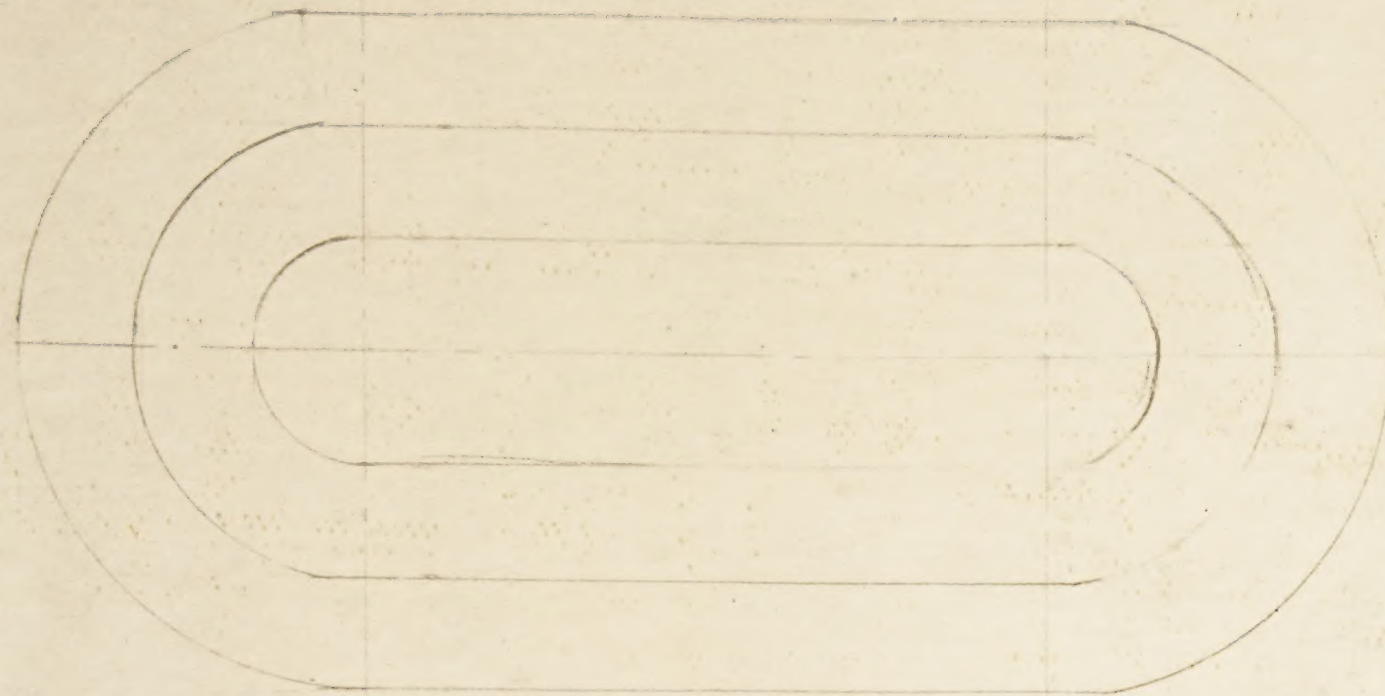
No. 8

SEVENTH GRADE . . 70--74

EIGHTH GRADE . . . 65--69

NINTH GRADE 60--64

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S L O T T E D W A S H E R

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Mechanical Drawing Scale

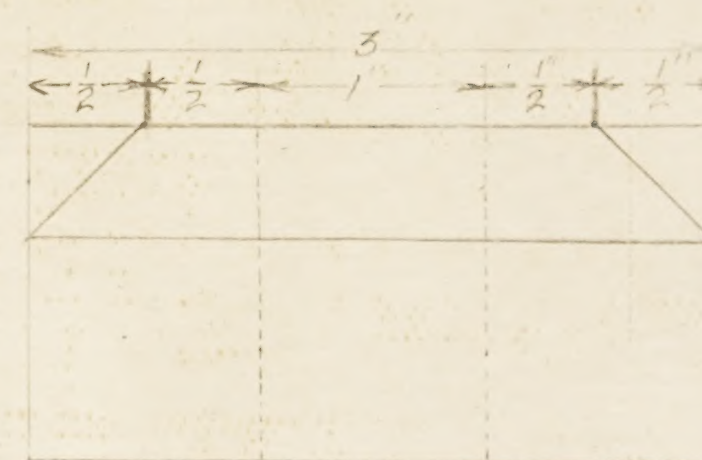
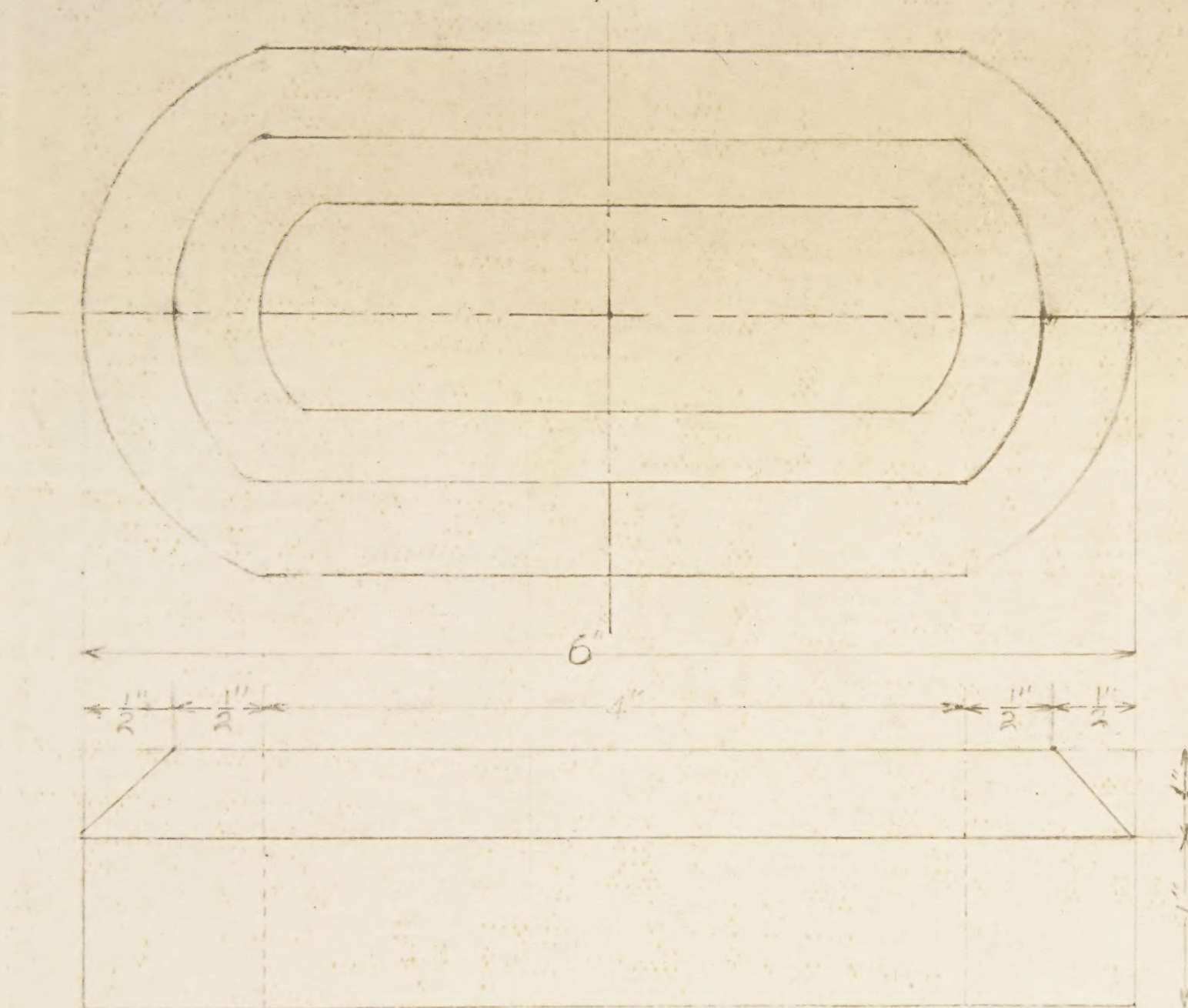
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No. 9

SEVENTH GRADE . . 65---69
EIGHTH GRADE . . . 60---64
NINTH GRADE 55---59

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Mechanical Drawing Scale

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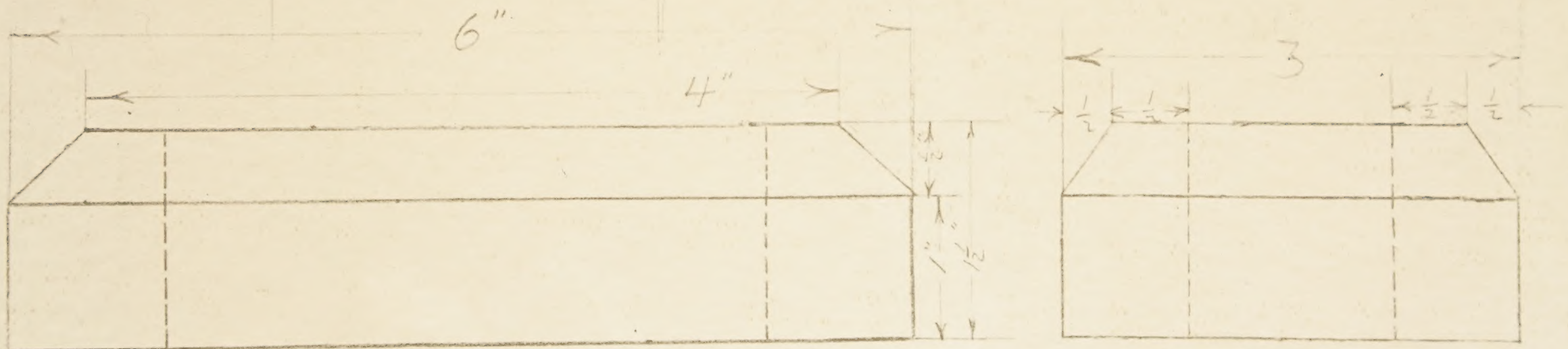
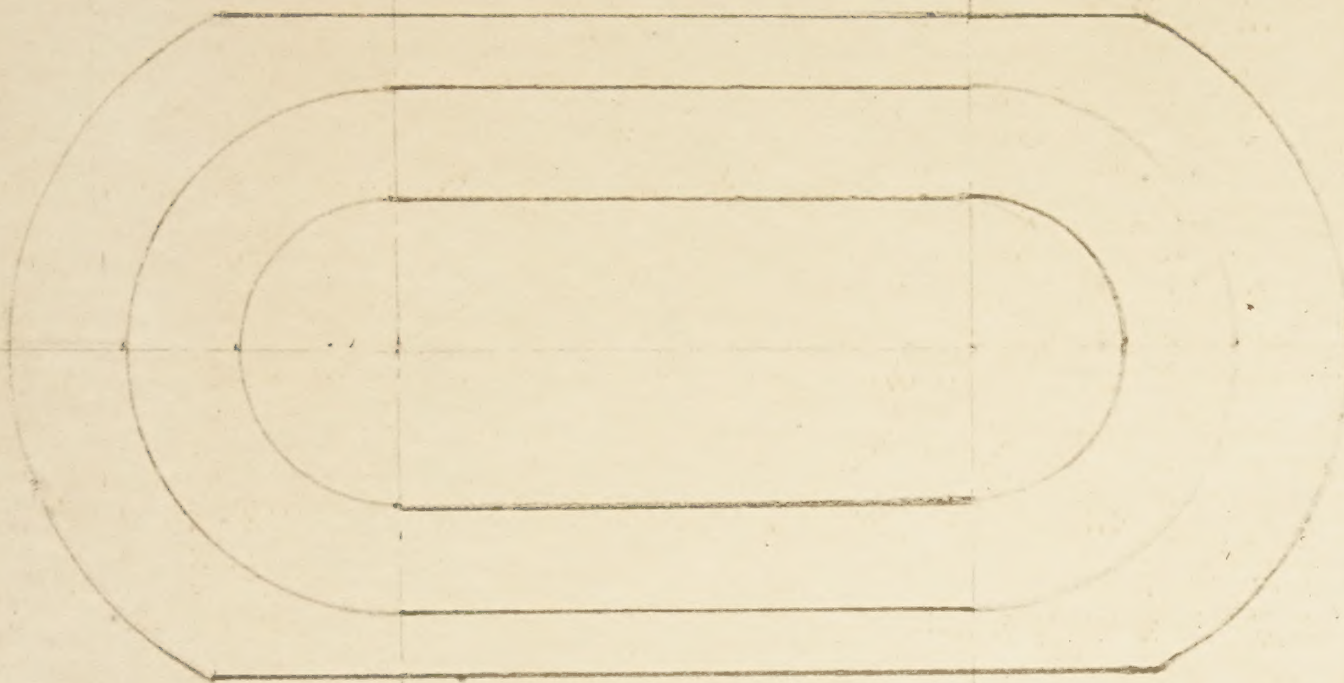
No. 10

SEVENTH GRADE . . 60---64

EIGHTH GRADE . . . 55---59

NINTH GRADE . . . 50---54

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SLOTTED WASHER

To the Purchaser of MECHANICAL DRAWING SCALE by Christy.

In order to get satisfaction from the use of this scale, it is essential (1) that one understand its purpose, (2) that he know how to use it, and (3) that he realize some of the difficulties in producing it.

Its purpose is to provide a means by which pupils may evaluate their own pencil mechanical drawings. It enables the pupils to rate their drawings with reference to (a) character of lines, (b) lettering, (c) spacing of views, (d) dimensioning and (e) neatness. It is applicable, however, only to drawings in which the relative positions of the views are correct.

In using the scale the author suggests that the mounted scale be arranged in order on the chalk rail of the blackboard or fastened to the wall of the room at the proper height for pupils to see. When a pupil has completed a drawing he goes to the scale and compares his drawing with those on the scale. He finds the drawing on the scale that is nearest to his own in the items (a) to (e) mentioned above. When he has decided which drawing, on the whole, is nearest to his own, he takes the score on that scale drawing as the score for his own. The score he takes, however, must be the one designated for the school grade in which he is a pupil.

This scale is the result of several years of cooperative effort in the 7th, 8th, and 9th grades of the public schools of Cincinnati. Thousands of drawings have been examined and scored in producing the scale. The publishers, also, have encountered a difficult problem in publishing the scale. For obvious reasons it was essential that the pupil's pencil drawings, with their light lines and various defects, be reproduced as exactly as possible. Experts in reproduction processes were consulted and the conclusion reached that the only way to get satisfactory results was by the expensive photostat process. One of the largest and most expert photostat manufacturers in the United States was employed to do the work and the results are believed to be as nearly like the original pencil drawings as can be produced by this process.

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